Production Readiness Review

FMS Loan Processing & Issuance Fee (LPIF) Interface Updates

December 17, 2003

- **Project Overview**
- **Development Approach**
- **Schedule and Cost Overview**
- **Testing Summary**
- **Collaboration**
- **Independent Quality Assurance**
- **Risk Summary**
- **Conclusion**

Capabilities Provided by FMS LPIF Interface Updates:

– Process the file received from NSLDS via the eAI Bus (IBM MQseries).

– Calculate disbursements based on multiple rates. Under Section 428(f)(1) of the HEA, the LPIF rate factor changed from 6.5 basis points to 4.0 basis points beginning October 1, 2003. The interface will also be able to accommodate future rate changes without any further code changes (range is from 0 to 10; exclusive).

– The interface will communicate the following to NSLDS and FMS:

- Successful completion of the LPIF program, via email

- Errors in the file, via email.

    – More than one header record present

    – More than one trailer record present

    – Number of detail records in the file doesn't match record count in the trailer record

    – Basis point is zero

    – Detailed record with a zero amount

- **Requirements Gathering** involved working with subject matter experts to better understand the updates needed to be made to the FMS interface program.

- **Analysis and Design** involved expanding upon the requirements to design the data flows, forms, reports, screens, and interfaces required to complete the development effort.

- **Development** involved creating the changes required to capture loan and summary data for payment at two different rates in the NSLDS system and the updates to the FMS interface program in order to accept two rates.

- **Testing** involved planning and conducting the unit, system, and end-to-end testing. These tests validated the system's design, confirmed set-ups, validated configurations, and verified that user requirements were met for the new interface functionality.

- **Deployment** involved migrating the FMS LPIF Interface Updates components into the Production environment.

Schedule:
- Project Kickoff   September 29, 2003
- Requirements Complete   October 17, 2003
- Design Complete   November 5, 2003
- Development Complete   November 17, 2003
- Test Readiness Review   December 1, 2003
- Testing Complete   December 12, 2003
- Pre-PRR   December 11, 2003
- PRR   December 17, 2003
- Deployment   January 11, 2004
- Post Production Verification   February 27, 2004

Cost:
- The project will be completed within budget.

- **Unit Test** ensured a robust testing by the developer which exercises all logical branches and conditions required by the development phase.

- **System Test** ensured that all requirements specified in the Design Document were met. System test scripts were written and executed in the test environment. There are no open System Test SIRs.

- **End-to-End Test** allowed user validation through the simulation of actual business process.

System Test Summary

System Test (Final)

Severity	Closed	Open
High	0	0
Medium	1	0
Low	0	0
Enhancement	0	0
Total	1	0

ID	SIR Severity	Description
1	High	The anomaly results in a failure of the complete software system, a subsystem, or a software module within the system.
2	Medium	The anomaly does not result in a failure, but causes the system to produce incorrect, incomplete, or inconsistent results, or the anomaly impairs system usability.
3	Low	The anomaly does not cause a failure, does not impair usability, and the desired processing results are easily obtained by working around the anomaly. The anomaly may also be the result of non-conformance to a standard or related to the aesthetics of the system.
4	Enhancement	The anomaly is a request for an enhancement. Anomalies at this level may be deferred to a future release or will be treated as an addition to the defined project scope if the Modernization Partner and FSA agree upon its inclusion.

- **VDC/Operational Readiness**
  - ORR not necessary, per VDC
  - Pre-PRR completed on 12/11.

- **Security**
  - FMS Operations team is in place.

- **FMS Operations Readiness**
  - FMS Operations team is in place.

- **Help Desk Readiness**
  - FMS Operations team is in place.

Independent Quality Assurance Performed by CIO QA Team and IV&V Team:

- – Provided an independent review of project documentation.

- – Worked with the project team to validate requirements gathering and traceability, design, development and testing efforts.

- – Attended working sessions to track issue resolution and participate in team discussion.

- – Submitted Bi-weekly reports.

- – Met with the project manager throughout the project to submit comments and suggestions for improvement.

- **FMS LPIF Interface Updates Security**
  - N/A

- **Performance**
  - N/A

- **Dependencies**
  - NSLDS will continue to provide all data in one file to FMS per quarter.

- **NSLDS**
  - Successfully processed all 4 files delivered by NSLDS on 12/2/03. Additional development/testing ongoing by NSLDS that will not be retested by FMS due to timeframe.

- **PRR checklist items are green.**

- **All scheduled activities to date are completed.**

- **Addressed all open issues identified by the independent FSA CIO Quality Assurance Group.**

- **On schedule for January 11, 2004 deployment.**

- **Sign-off**